

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A light-transmitting module, comprising:

a light-emitting module including a Peltier device, ~~[[and]]~~ a laser diode, a package, a plurality of lead pins, and a thermistor, said laser diode being mounted on said Peltier device, said Peltier device controlling a temperature of said laser diode, said package having a CAN-type with a stem mounting said Peltier device with said laser diode, said lead pins extending from said stem, said thermistor being disposed immediately by said laser diode on said Peltier device, said thermistor monitoring said temperature of said laser diode;

a substrate for installing a plurality of electronic elements, said lead terminals being connected to said substrate;

a heater disposed so as to heat up said light-emitting module and said substrate; and

a housing for receiving said light-emitting module, said substrate and said heater therein.

2. (Cancelled)

3. (Currently Amended) The light-transmitting module according to ~~claim 2~~ claim 1, wherein said heater is disposed in a side surface of said stem.

4. (Currently Amended) The light-transmitting module according to ~~claim 2~~ claim 1, wherein said heater is disposed on said substrate so as to come in contact with a side surface of said stem.

5. (Currently Amended) The light-transmitting module according to ~~claim 2~~ claim 1,

wherein said heater is disposed adjacent to said plurality of lead pins.

6. (Withdrawn) The light-transmitting module according to claim 1, wherein said light-emitting module further includes

a package having a box-shape with a pair of side walls and a rear wall;

a plurality of lead pins extending from respective side walls; and

a thermistor disposed immediately by said laser diode on said Peltier device, said thermistor monitoring said temperature of said laser diode.

7. (Withdrawn) The light-transmitting module according to claim 6, wherein said heater is disposed on said substrate so as to come in contact with said side wall.

8. (Withdrawn) The light-transmitting module according to claim 6, wherein said heater is disposed on said substrate so as to come in contact with said rear wall.

9. (Withdrawn) The light-transmitting module according to claim 6, wherein said heater is provided in an outer surface of said housing located under said box-shaped package.

10. (Original) The light-transmitting module according to claim 1, wherein said heater is a thin film heater.

11. (Original) The light-transmitting module according to claim 1, wherein said plurality of electronic elements includes a laser diode controller, a Peltier controller, and a heater controller.

12. (Original) The light-transmitting module according to claim 11, wherein
said laser diode controller controls said laser diode such that an optical output of said
laser diode is maintained to be a predetermined value.
13. (Currently Amended) The light-transmitting module according to claim 12,
wherein said heater controller compares an ambient temperature ~~[[to]]~~ with a preset temperature
of said laser diode and, when said preset temperature is higher than said ambient temperature,
enables said heater.
14. (Original) The light-transmitting module according to claim 12, wherein said Peltier
controller controls said Peltier device so as to set said laser diode to be a preset temperature.